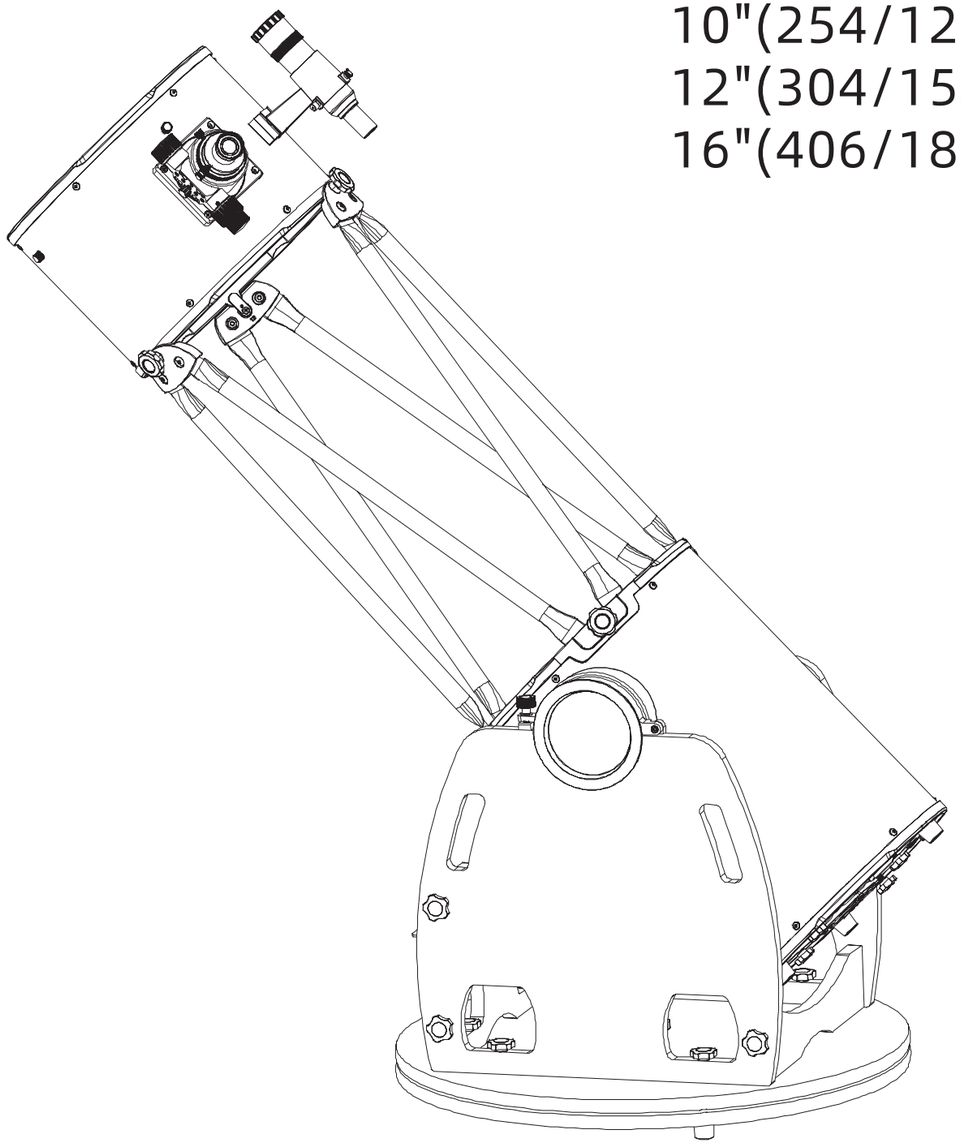
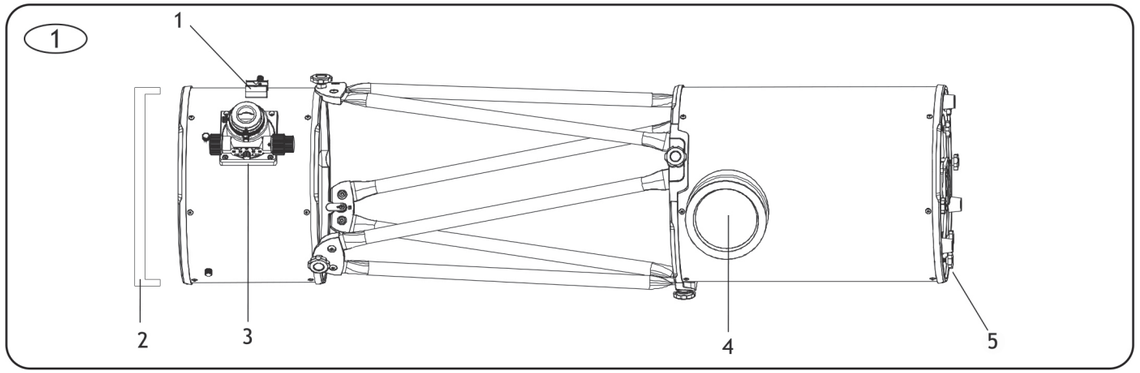
RETRACTABLE DOBSONIAN TELESCOPES
INSTRUCTION MANUAL

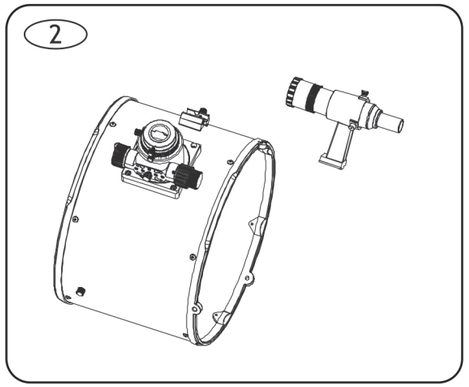
10"(254/1270)
12"(304/1525)
16"(406/1830)

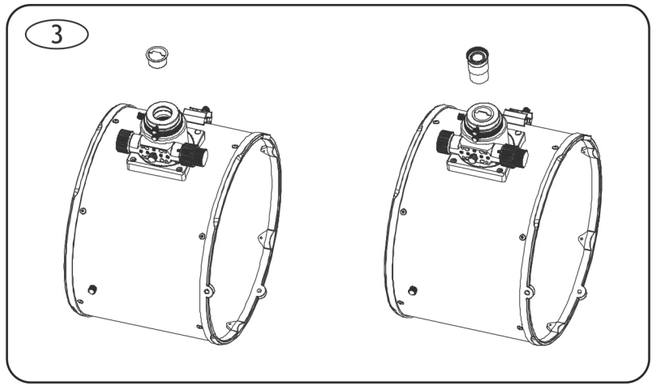


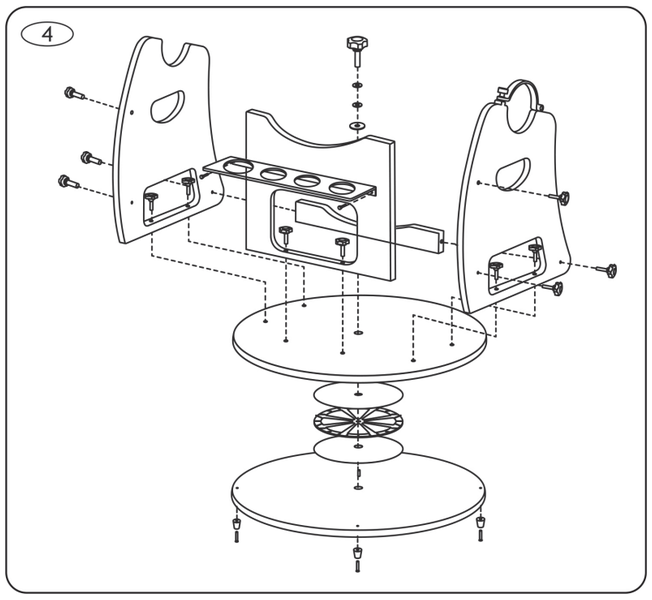
CAUTION!Never look directly at the Sun-even for an instant-throught your telescope or finderscope without a professionally made solar filter that completely covers the front of instrument,or permanent eye damage may result.To avoid damage to the internal parts of your telescope,make sure the front end of the finderscope is covered with aluminum foil or another non-transparent material.Children should use the telescope under adult supervision only.

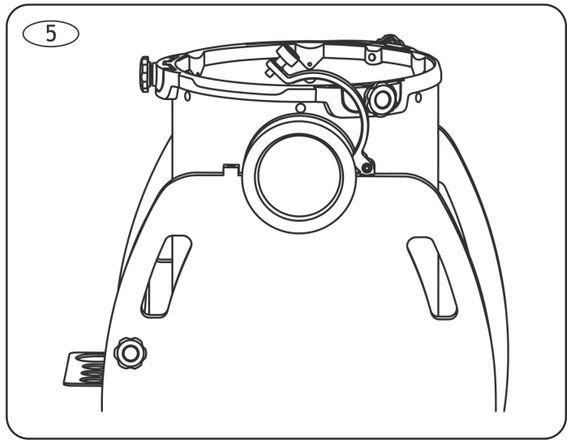


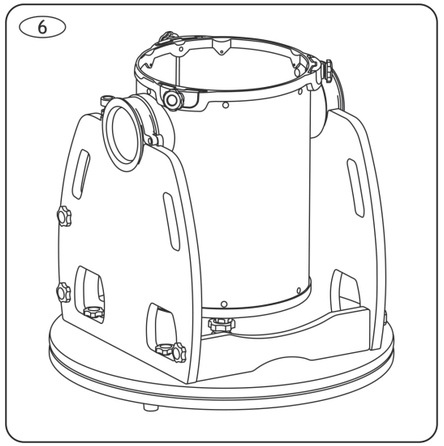
1 Finderscope mounting slot
2 Dust cap
3 Focuser
4 Side bearing
5 Primary mirror cell

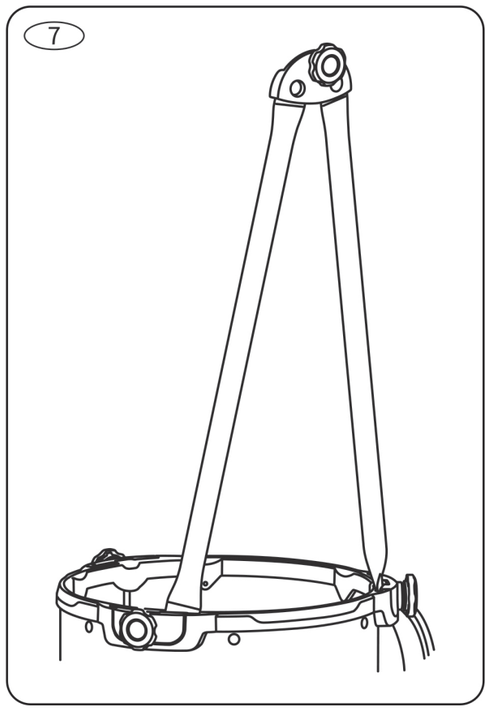


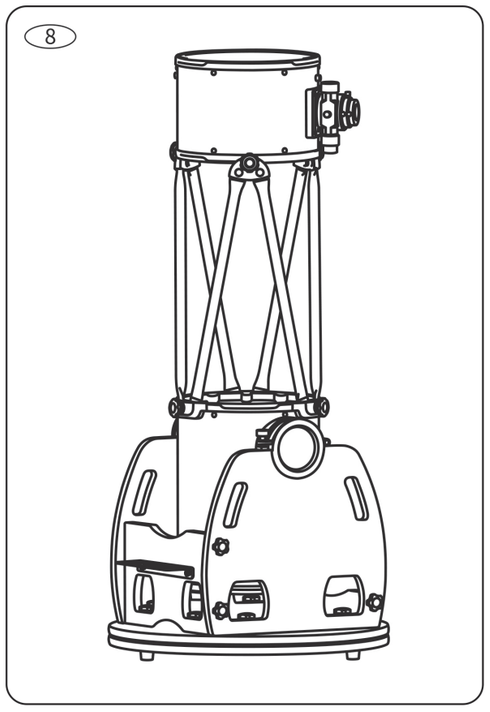












All parts of the telescope will arrive in two boxes.Be careful when unpacking it.We recommend keeping the original shipping containers.In the event that the telescope needs to be shipped to another location,having the proper shipping containers will help ensure that your telescope survives the journey intact.Be sure to check the box carefully,as some parts are small.All screws should be tightened securely to eliminate flexing and wobbling,but be careful not to overtighten them,as that may strip the threads.

During assembyly(and anytime,for that matter),do not touch the surfaces of the optical elements with your fingers.The optical surface have delicate coatings on them that can easily be damaged if touched.Never remove lenses or mirrors from their housing,or the product warranty will be null and void.

Specifications

	Retractable DOB10	Retractable DOB12	Retractable DOB16
Optical design	Newtonian reflector		
Primary mirror shape	Paraboloid		
Primary mirror diameter(aperture),mm	254	304	406
Focal length,mm	1270	1525	1830
Focal ratio	f/6	f/5	f/6
Focuser	2” Dual speed Rack&Pinion		
Eyepiece barrel diameter	1.25”		
Mount type	Altazimuth,Dobsonian		
Eyepieces	Plössl 10mm.25mm		
Finderscope	Optical 8×40mm		
Batteries for cooling fan	8xAA(NOT included)		

The manufacturer reserves the right to make changes to the product range and specifications without prior notice.The manufacturer reserves the right to make changes to the product range and specifications without prior notice.

Care and maintenance

. Take the necessary precautions when using the device with children or others who have not read or who do not fully understand these instructions.
. Do not try to disassemble the device on your own for any reason.For repairs and cleaning of any kind,please contact your local specialized service center.
. Stop using the device if the lens fogs up.Do not wipe the lens!Remove moisture with a hair dryer or point the telescope downward until the moisture naturally evaporates.
. Protect the device from sudder impact and excessive mechanical force.
. Do not touch the optical surfaces with your fingers.Clean the lens surface with compressed air or a soft lens cleaning wipe.To clean the device exterior,use only the special cleaning wipes and special tools that are recommended for cleaning the optics.
. Store the device in a dry cool place away from hazardous acids and other chemicals,away from heaters,open fire,and other sources of high temperatures.
. Replace the dust cap over the front end of the telescope whenever it is not in use.
Always put eyepieces in protective cases and cover them with caps.This prevents dust or dirt from setting on the mirror or lens surfaces.
. Lubricate the mechanical components with metal and plastic connecting parts.Components to be lubricated:
- Optical tube;
- Fine mechanics(focuser rail,telescope optical tube microfocuser);
- Mounting;
- Worm-worm pairs,bearings,cogs,threaded mounting gears.
Use all-purpose silicon-based greases with an operating temperature range of -20~+50℃ .
. If a part of the device or battery is swallowed,seek medical attention immediately.

Warranty:1 year. For further details,please connect us.